



SEQUENCE LISTING

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KANAMORI, Yasushi

<120> A Novel Higher-Order Structure With Promoting Translation
Activity

<130> 3190-015

<140> US 10/088,750

<141> 2002-03-20

<150> JP P2001-016746

<151> 2001-01-25

<150> PCT/JP01/00641

<151> 2001-01-31

<160> 19

<170> PatentIn version 3.2

<210> 1

<211> 188

<212> RNA

<213> Plautia Stali Intestine Virus

<400> 1

gacuauguga ucuuauuaaa auuagguuaa auuucgaggu uaaaaauagu uuuaauauug 60

cuauagucuu agaggucuuu uauuuuuuaa cuuaccacac aagauggacc ggagcagccc 120

uccaauaucu aguguacccu cgugcucgcu caaacauuaa gugguguugu gcgaaaagaa 180

ucucacuu 188

<210> 2

<211> 187

<212> RNA

<213> Himetobi P Virus

<400> 2

gaaaaugugu gaucugauua gaaguaagaa aaauccuagu uauaaauuuu uuaauacugc 60

uacauuuuuu agaccuuag uuauuuagcu uuaccgccca ggauggggug cagcguuccu 120

gcaauaucca gggcaccuag gugcagccuu guaguuuuag uggacuuuag gcuaaagaau 180

uucacua 187

<210> 3

<211> 189

<212> RNA

<213> Drosophila C Virus

<400> 3

guuaagaugu gaucuugcuu ccuuauacaa uuuuagagagg uuaauaagaa ggaaguagug 60

cuaucuuauu aauuagguua acuaauuagu uuucacuguuc aggaugccua uuggcagccc	120
cauaauaucc aggcaccccu cucugcuucu uauaugauua gguugucuu uagaauaaga	180
aaauaaccu	189

<210> 4
 <211> 188
 <212> RNA
 <213> Cricket Paralysis Virus

<400> 4	
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uauuuuugua uuugagguag cuauuuagcu uuacguucca ggaugccuag uggcagcccc	120
acaauaucca ggaagcccuc ucugcgguuu uucagauuag guagucgaaa aaccuaagaa	180
auuuuaccu	188

<210> 5
 <211> 186
 <212> RNA
 <213> Triatoma Virus

<400> 5	
uugacuauugu gaucuugcuu ucguauauaaa aucuguacau aaaagucgaa aguauugcua	60
uaguuuaggu ugcgcguugc uauuuaggca uacuucucag gauggcgcu ugcaguccaa	120
caagaucag ggcugcuaca gaauuuuccu auaccucgag ucggguuugg aaucuaaggu	180
ugacuc	186

<210> 6
 <211> 190
 <212> RNA
 <213> Black Queen-Cell Virus

<400> 6	
ccaacaugu gaucuugcuu gcggaggcaa aauuugcaca guauaaaauc ugcaaguagu	60
gcuauuguug gaaucaccgu accuauuuag guuuacgcuc caagaucggu ggauagcagc	120
ccuaucaaua ucuaggagaa cugugcuauu uuugaagau uagguagucu cuaaacagaa	180
caauuuaccu	190

<210> 7
 <211> 175
 <212> RNA
 <213> Rhopalosiphum Padi Virus

<400> 7	
aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcgauu ugcuacaaca	60
cuugguuagc uauuuagcuu uacuaaucaa gacgccgucg ugcagcccac aaaagucua	120

auacgucaca ggagagcaua cgcuaggucg cguugacuaa ccuuauauau gaccu 175

<210> 8
<211> 29
<212> DNA
<213> Artificial

<220>
<223> The sequence was synthesized for use as a forward primer.

<400> 8
ggttaaattt caggtaaaaa attgctata 29

<210> 9
<211> 35
<212> DNA
<213> Artificial

<220>
<223> The sequence was synthesized for use as a reverse primer.

<400> 9
cctcgaaatt taaccagatc acatagtcag ctttc 35

<210> 10
<211> 281
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate secondary structures predicted by a computer program, MFOLD, as shown in Fig. 3.

<400> 10
cggugucgaa guagaauuuc uaucucgaca cgcggccuuc caagcaguua gggaaaccga 60
cuucuuugaa gaagaaagcu gacuauguga ucuuauuaaa auuggauuaa auuucgaggu 120
uaauaaaagu uuuaauauug cuauagucuu agaggucuuu uauauuuuaa cuuaccacac 180
aagauggacc ggagcagccc uccaauaucu aguguacccu cgugcucgcu caaacauuaa 240
gugguguugu gcgaaaagaa ucucacuuca agaaaaagaa u 281

<210> 11
<211> 16
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate aspects of higher order structures on protein synthesis in Fig. 8A.

<400> 11
aacauuaagu gguguu 16

<210> 12
 <211> 16
 <212> RNA
 <213> Unknown

<220>
 <223> The sequence is used only to illustrate aspects of higher order structures on protein synthesis in Fig. 8A.

<400> 12
 aacauugggu gguguu 16

<210> 13
 <211> 200
 <212> RNA
 <213> Plautia Stali Intestine Virus

<400> 13
 gacuauguga ucuuauuaaa auuagguuaa auuucgaggu uaaaaauagu uuuaauauug 60
 cuauagucuu agaggucuuu uauauuuaua cuuaccacac aagauggacc ggagcagccc 120
 uccaauaucu aguguacccu cgugcucgcu caaacauuaa gugguguugu gcgaaaagaa 180
 ucucacuuca agaaaaagaa 200

<210> 14
 <211> 199
 <212> RNA
 <213> Himetobi P Virus

<400> 14
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 uacauuuuuu agaccuuuag uuauuuagcu uuaccgccc ggauggggug cagcguuccu 120
 gcaauaucca gggaccuag gugcagccuu guaguuuuag uggacuuuag gcuaaagaau 180
 uucacuagca aauaauaau 199

<210> 15
 <211> 201
 <212> RNA
 <213> Drosophila C Virus

<400> 15
 guuaagaugu gaucugcuu ccuauacaa uuugagagg uuaauaagaa ggaaguagug 60
 cuaucuuuuu auuagguua acuaauuuagu uuacuguc aggaugccua uuggcagccc 120
 cauaauaucc aggacacccu cucugcuucu uauaugauua gguugucuu uagaauaaga 180
 aaauaaccug cuaacuuuca a 201

<210> 16
 <211> 200
 <212> RNA

<213> Cricket Paralysis Virus

<400> 16

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caaaaauugug aucuugcuug uaaauacaau uuugagaggu uaauaaaaua caaguagugc      60
uauuuuuugua uuuaagguuag cuauuuagcu uuacguucca ggaugccuag uggcagcccc      120
acaauaucca ggaagcccuc ucugcgguuu uucagauuag guagucgaaa aaccuaagaa      180
auuuaccugc uacauuucaa                                          200
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<210> 17

<211> 198

<212> RNA

<213> Triatoma Virus

<400> 17

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uugacuaugu gaucuugcuu ucguauaaaa aucuguacau aaaagucgaa aguauugcua      60
uaguuuaggu ugcgcugucc uauuuaggca uacuucucag gauggcgcggu ugcaguccaa      120
caagauccag ggacuguaca gaauuuuccu auaccucgag ucggguuugg aaucuaaggu      180
ugacucgcug uaaauaa                                          198
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<210> 18

<211> 202

<212> RNA

<213> Black Queen-Cell Virus

<400> 18

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ccaacaugu gaucuugcuu gcggaggcaa aaauugcaca guauaaaauc ugcaaguagu      60
gcuauuguug gaucaccgu accuauuuag guuuacgcuc caagaucggu ggauagcagc      120
ccuaucaaua ucuaggagaa cugugcuang uuuaagaagau uagguagucu cuaaacagaa      180
caauuuaccu gcugaacaaa uu                                          202
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<210> 19

<211> 187

<212> RNA

<213> Rhopalosiphum Padi Virus

<400> 19

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aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcgauu ugcuacaaca      60
cuugguuagc uauuuagcuu uacuaaucaa gacgccgucg ugcagcccac aaaagucuaag      120
auacgucaca ggagagcaua cgcuaaggucg cguugacuau ccuauauau gaccugcaaa      180
uauaaac                                          187
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